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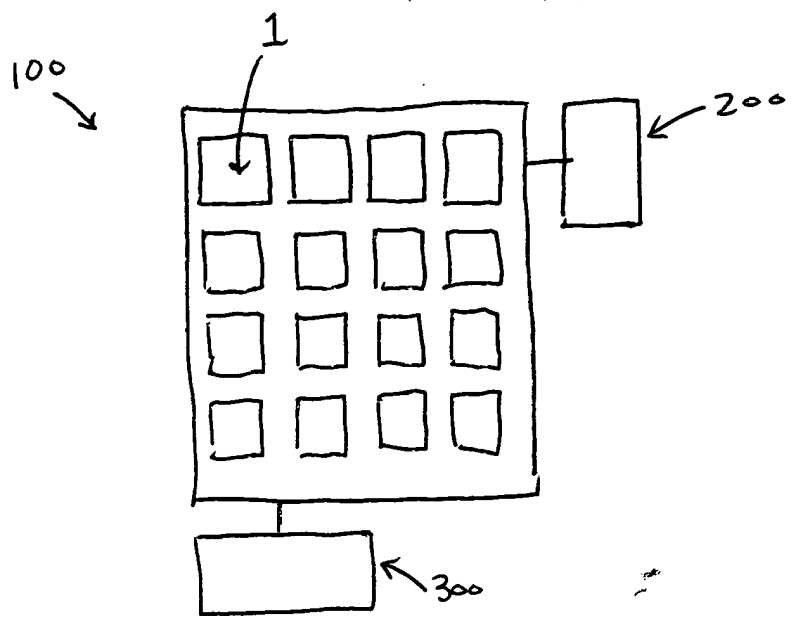


FIG. 1

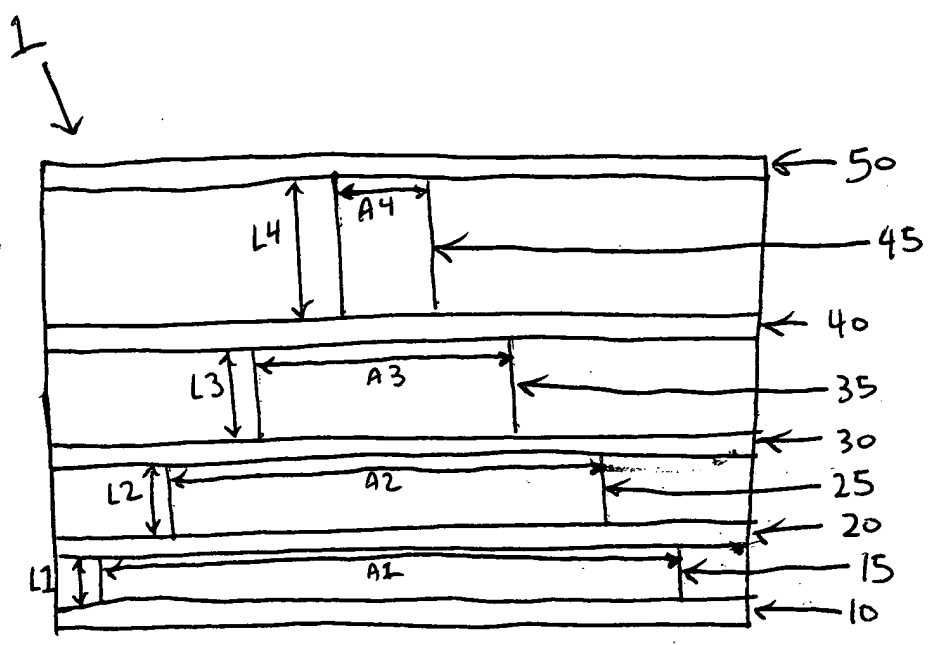


FIG. 2

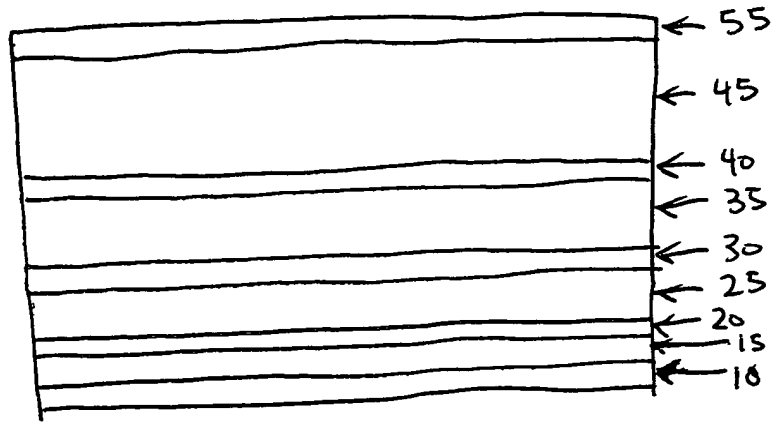


FIG. 3

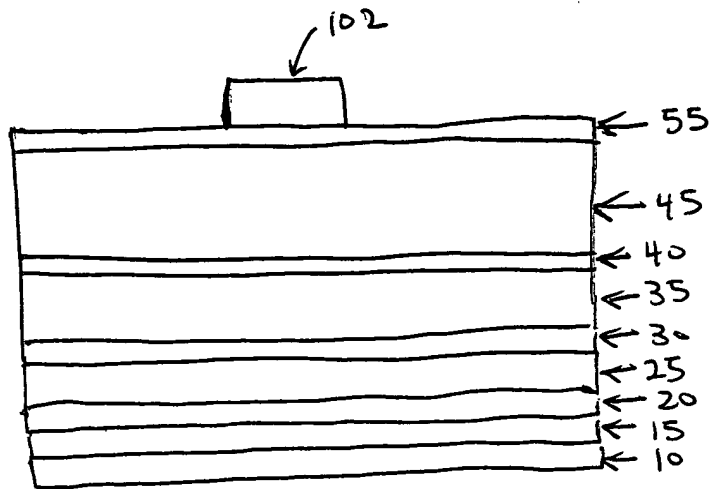
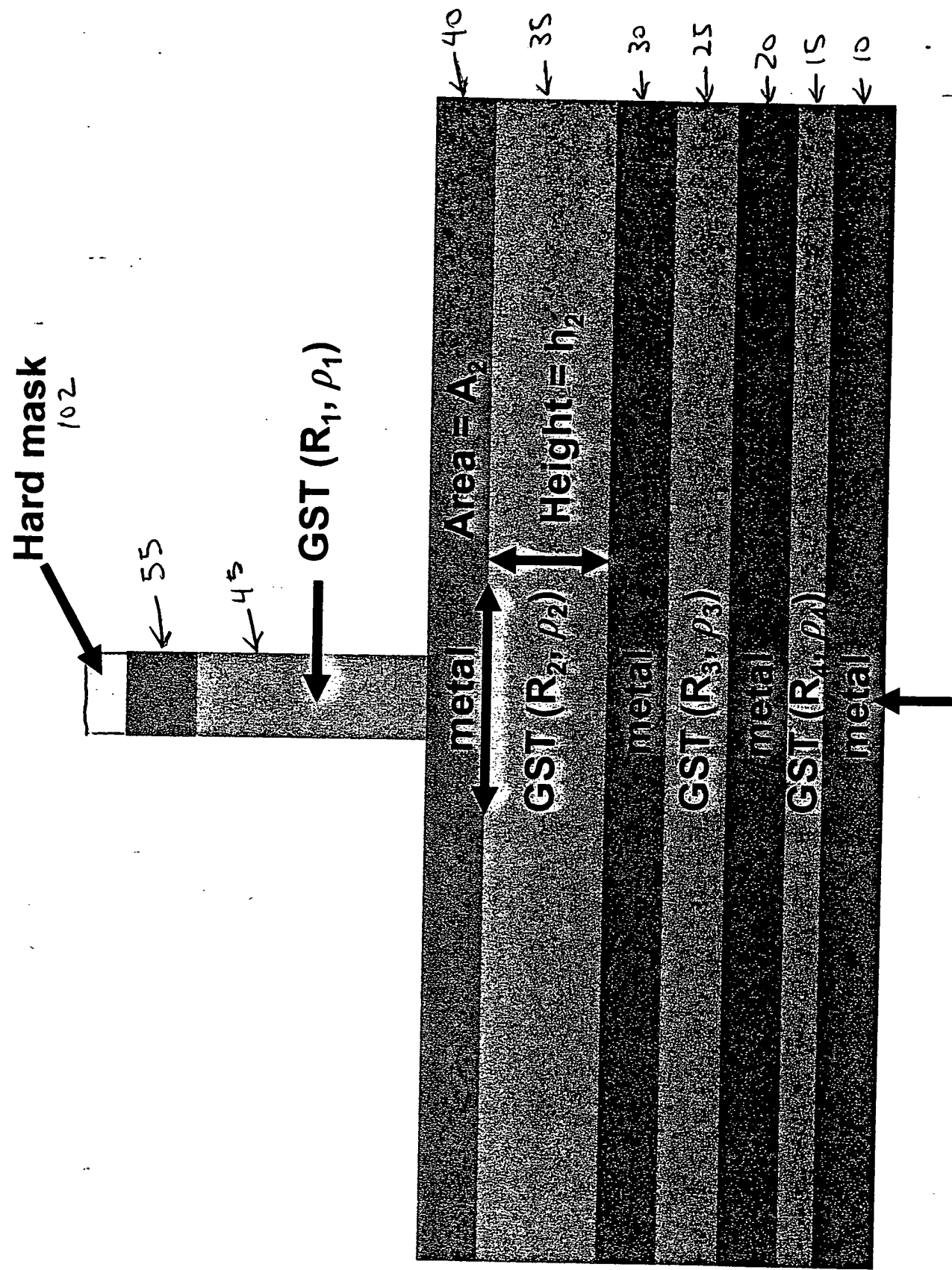


FIG. 4

3/12  
1DR920030408US1 (8728-643)



Bottom electrode contact Fig. 5

4112  
 \DR920030348US1 (8728-643)

Dielectric spacers

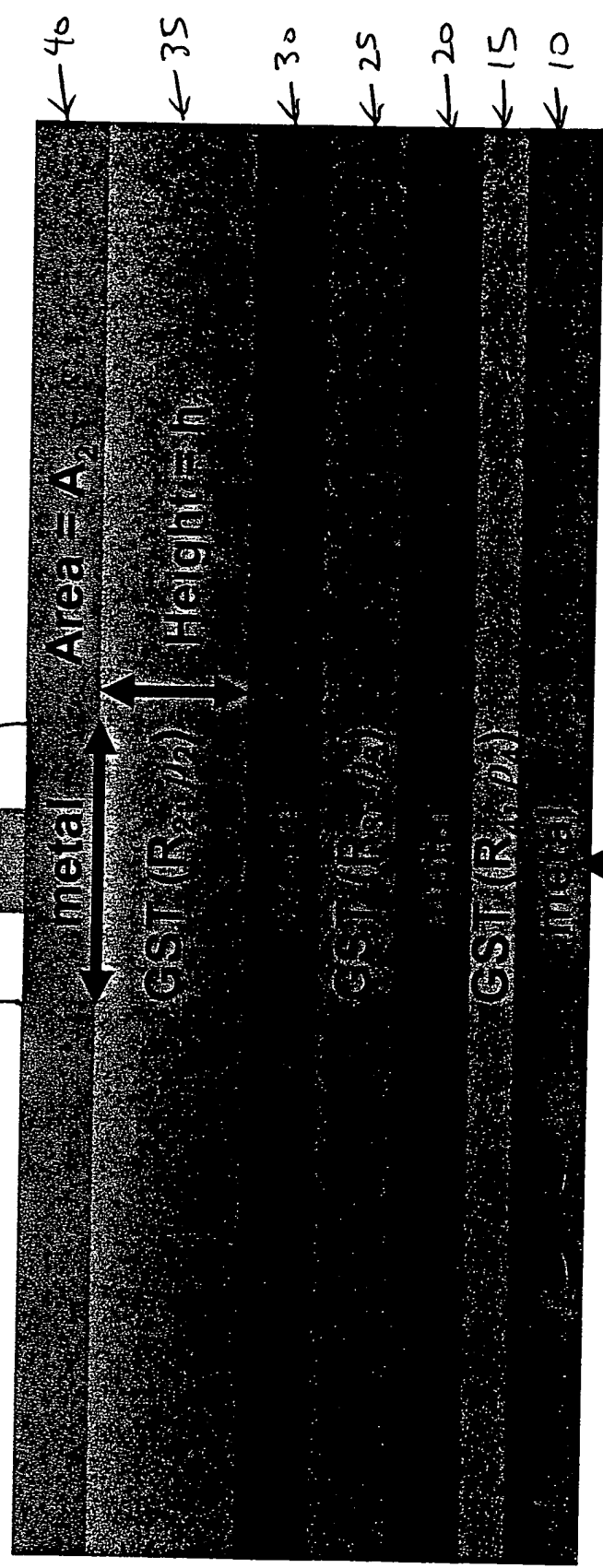
Hard mask 102

55

104

45

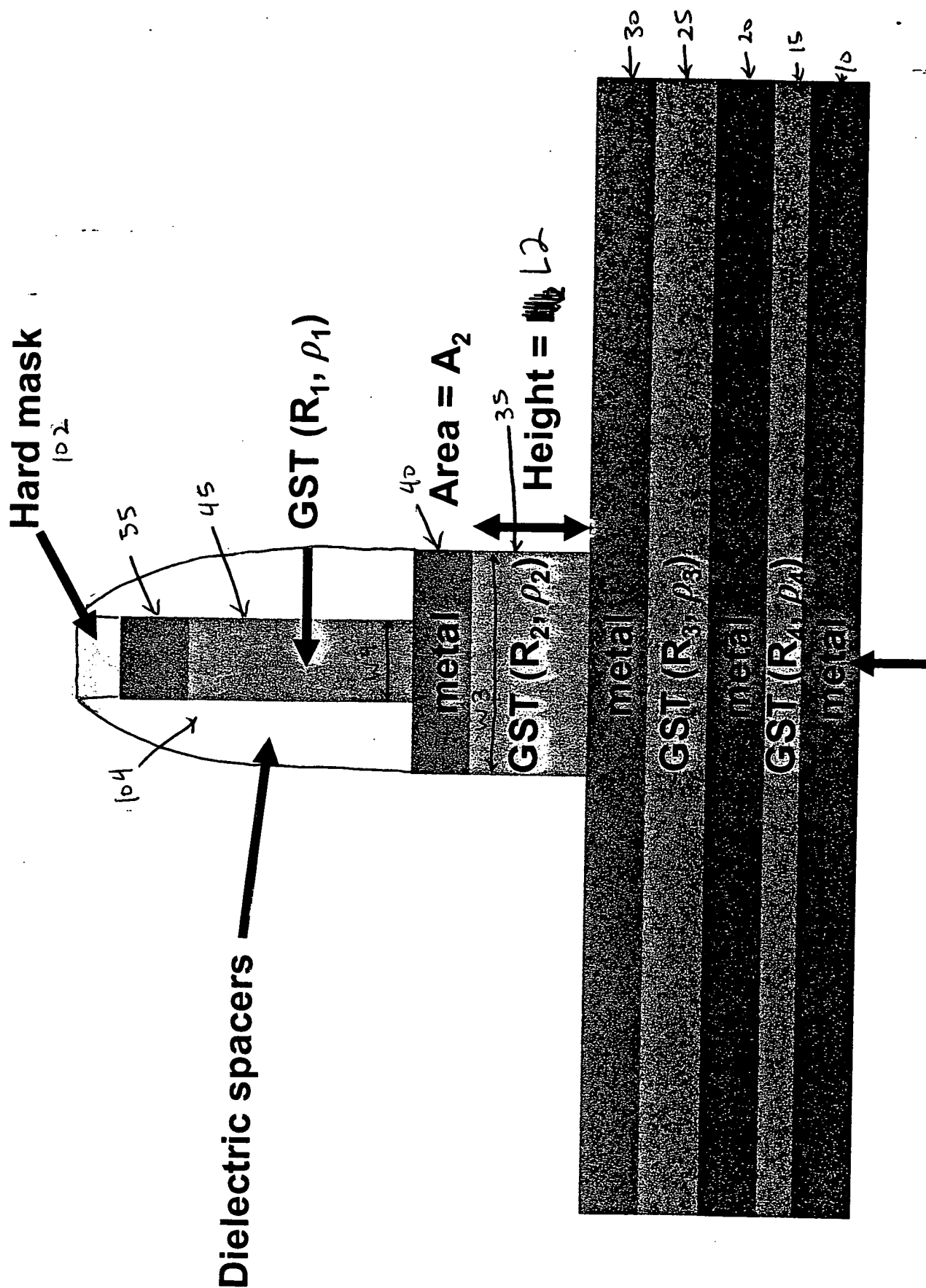
GST ( $R_1, \rho_1$ )



Bottom electrode contact

Fig. 6

5112  
10R92003D308US1 (8728-643)



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Bottom electrode contact Fig. 7

60112  
YDR92003D368US1 (8728-643)

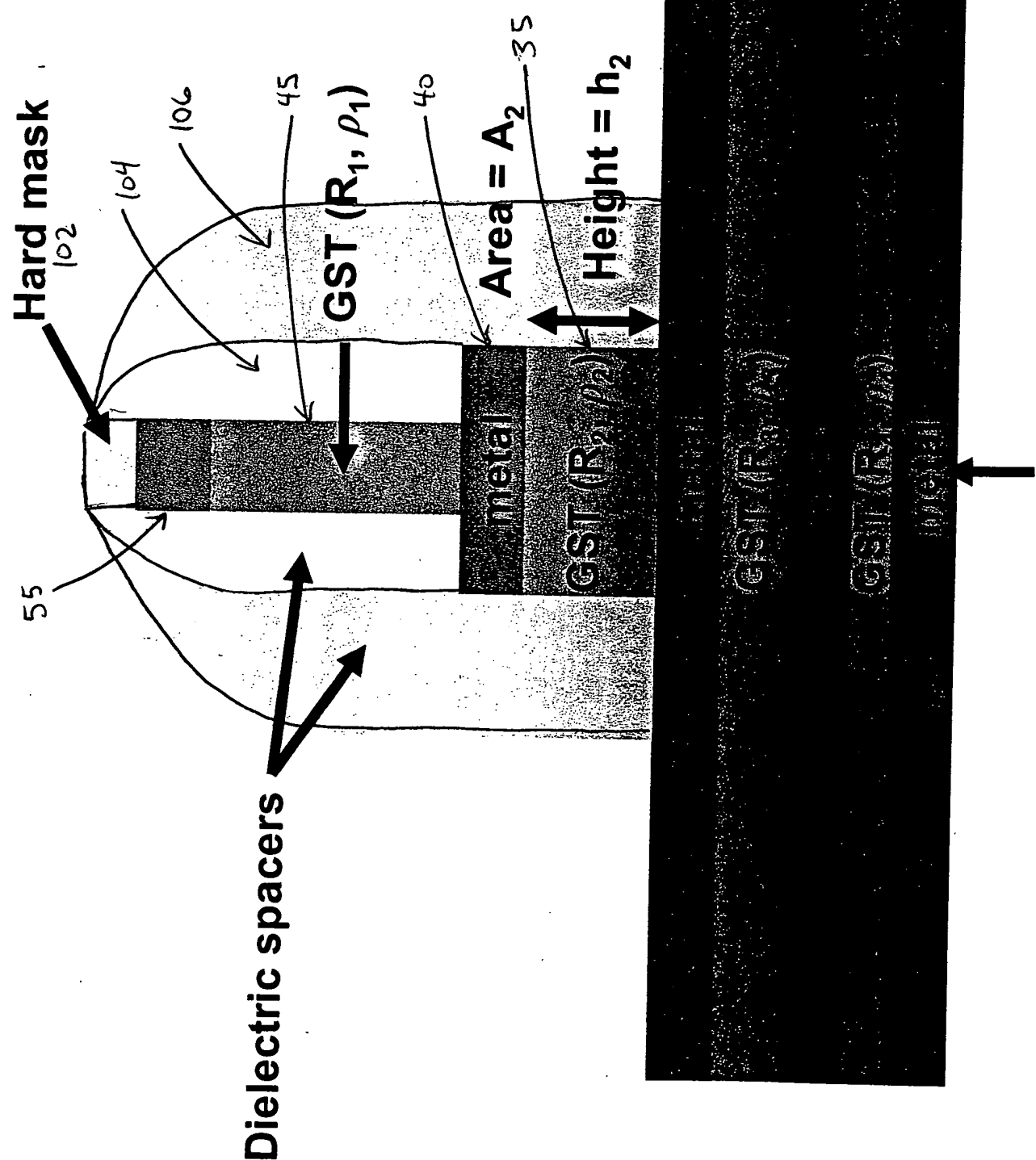
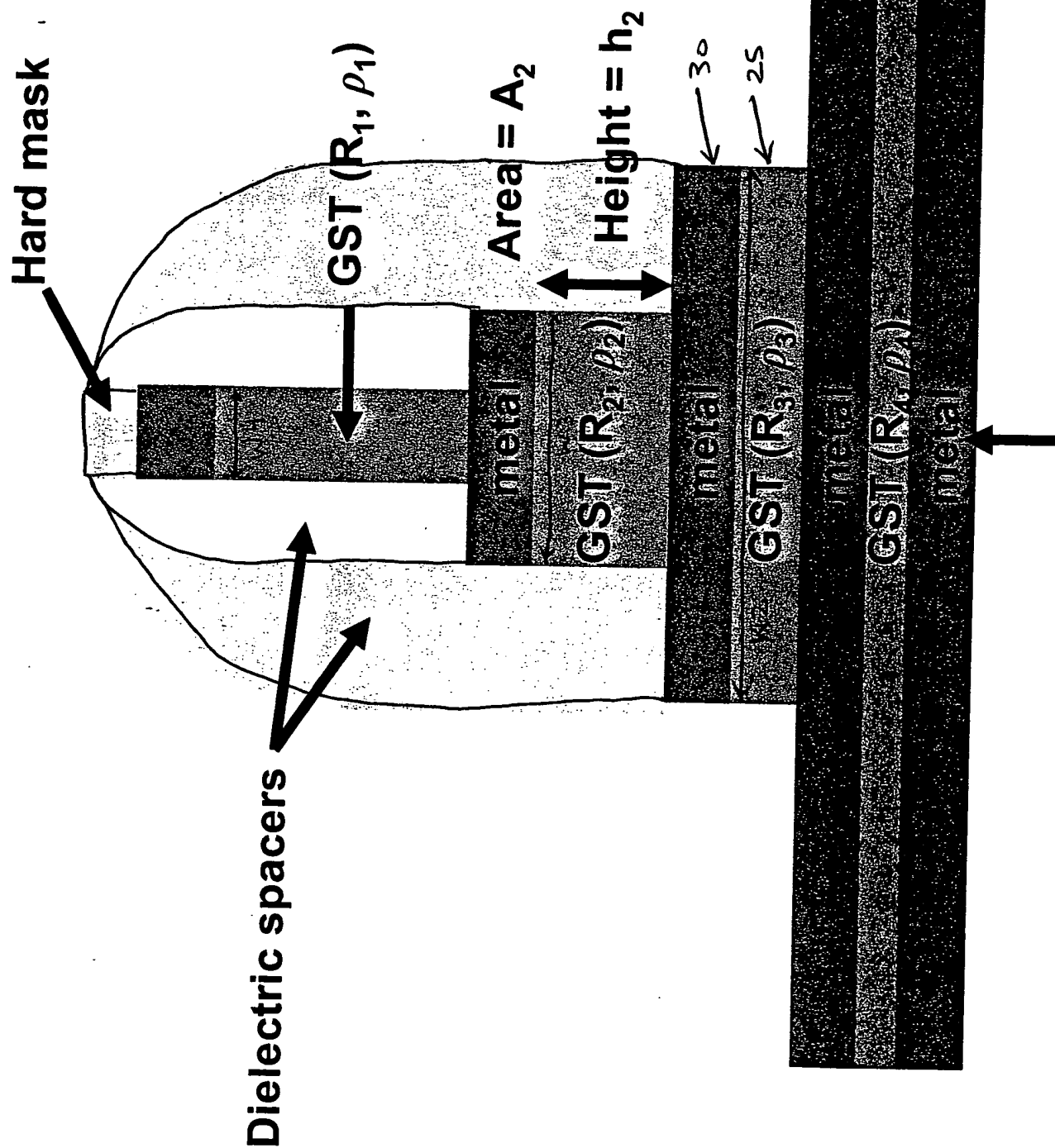


Fig. 8

7112  
✓DR920030368US1 (878643)

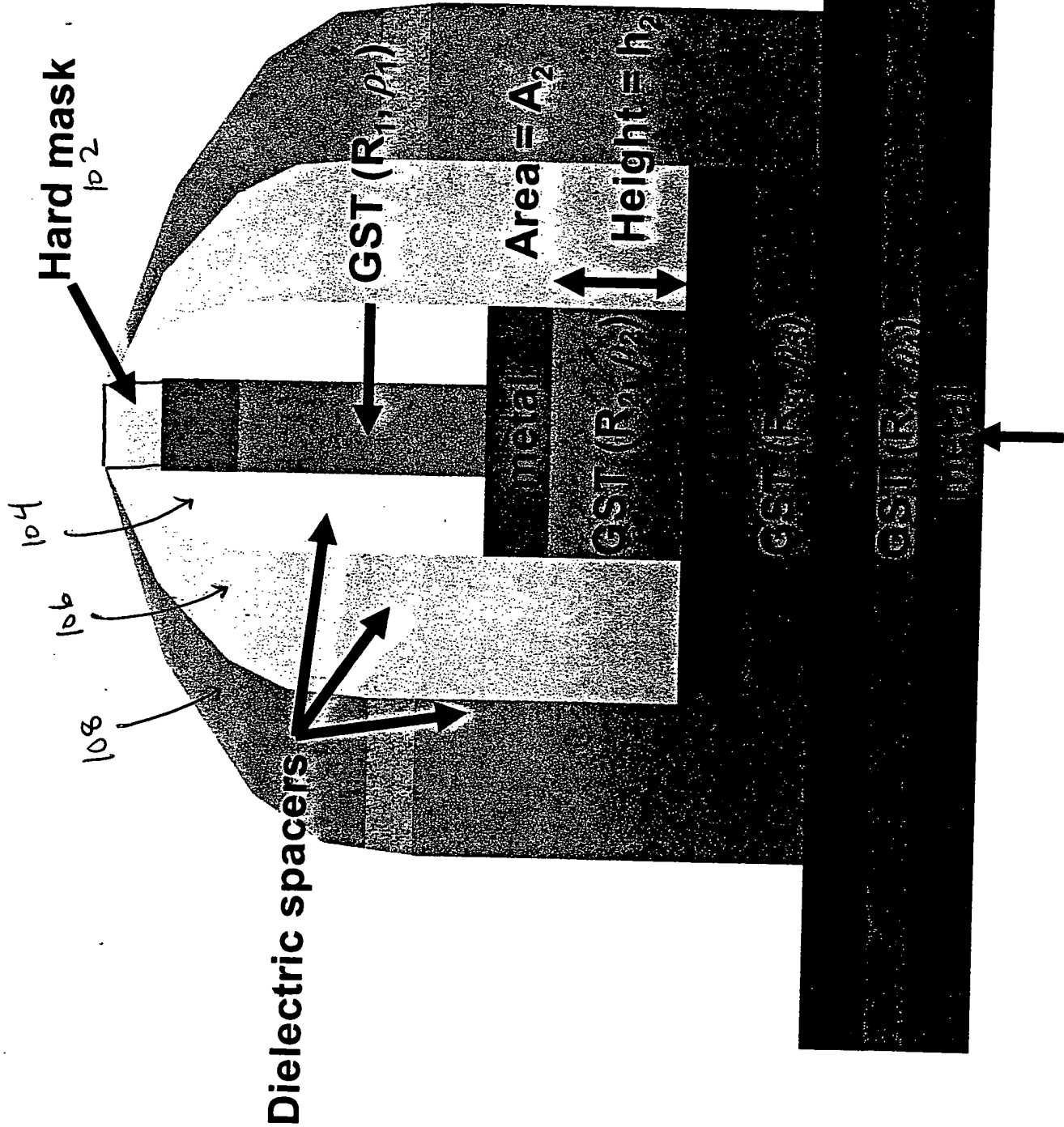


Bottom electrode contact

Fig. 89



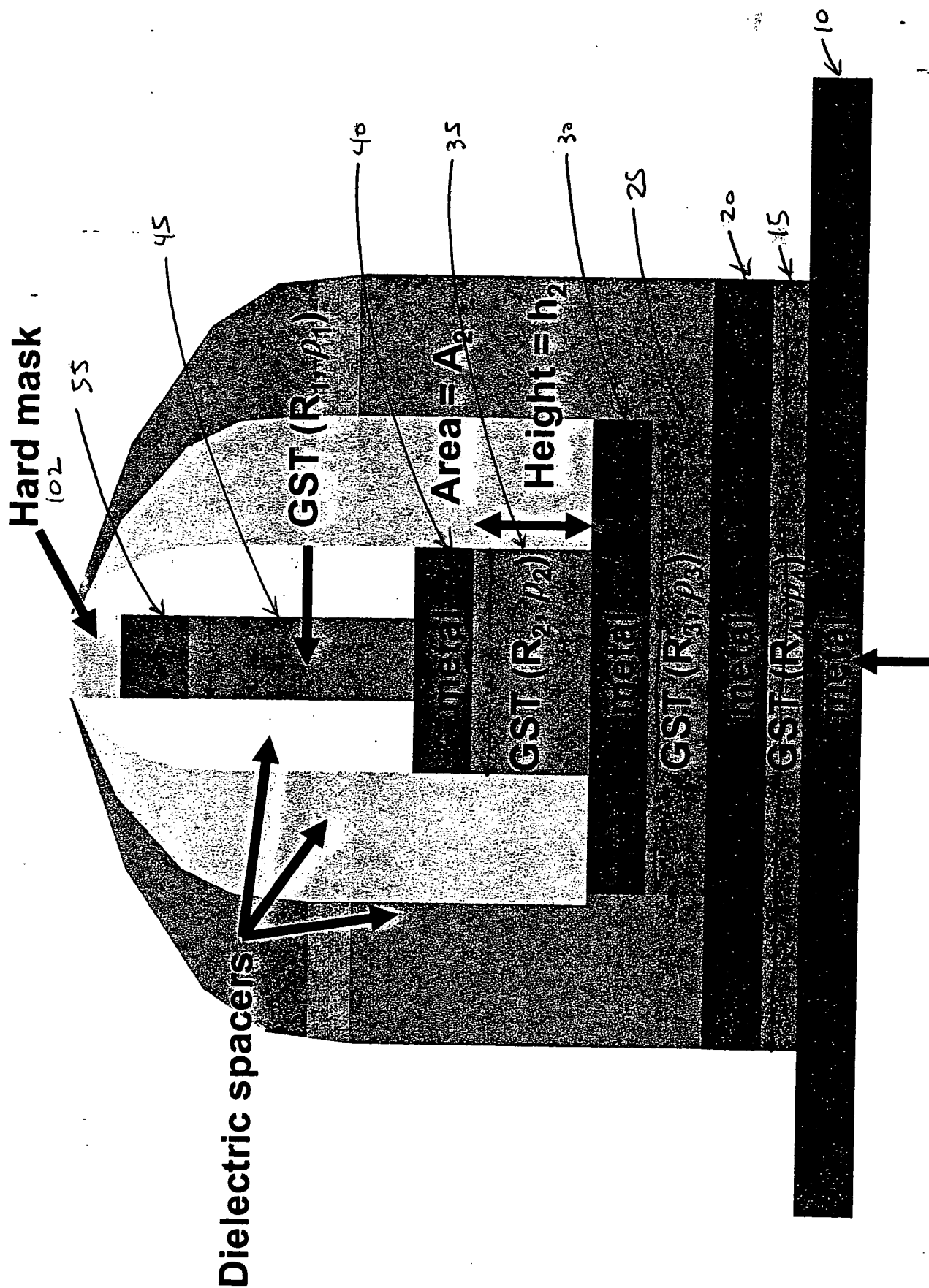
8/12  
YDR920030348US1 (8728643)



Bottom electrode contact

Fig. 9 (10)

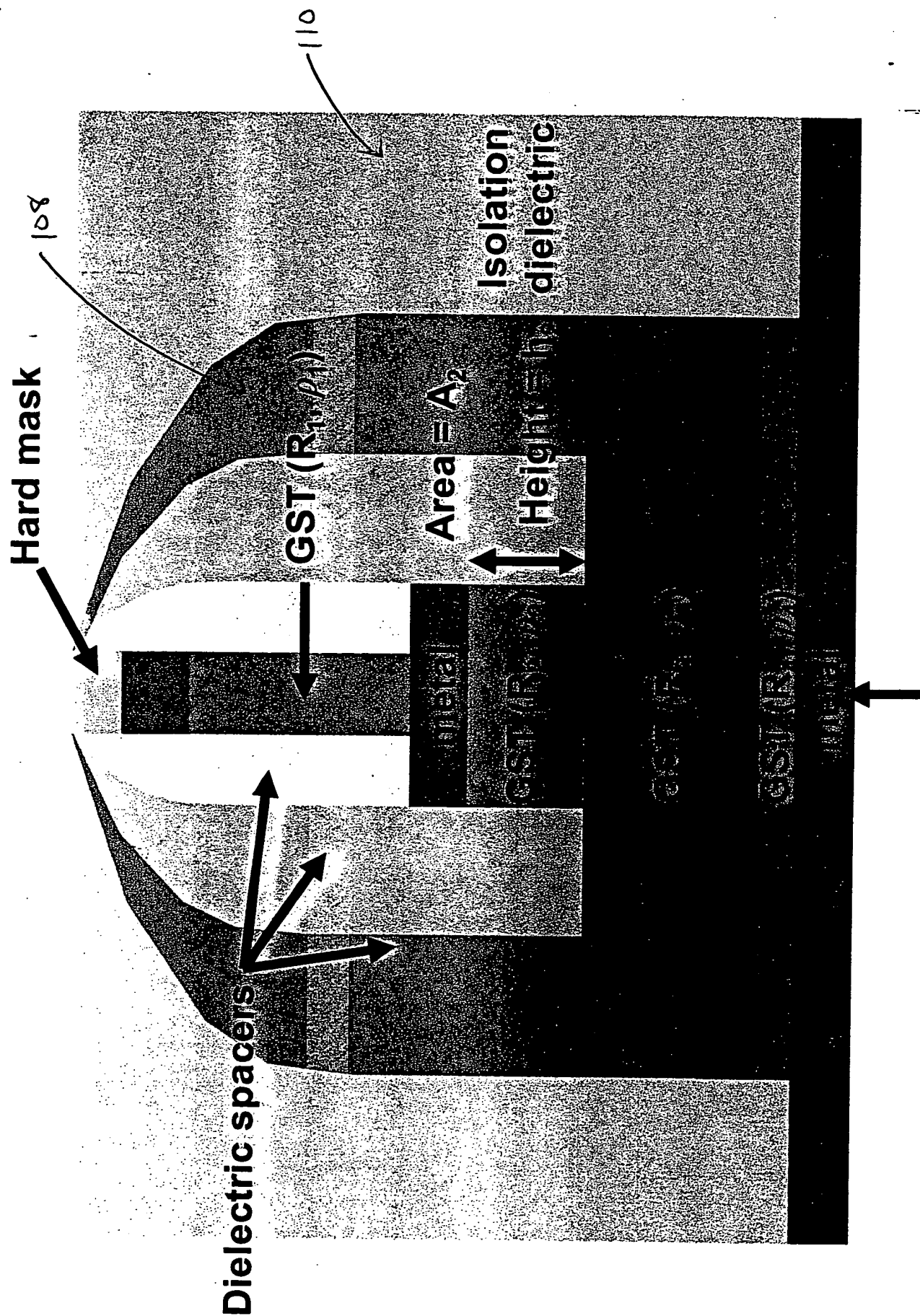
YDR92003D348US1 (8728-643)



Bottom electrode contact

Fig. 11

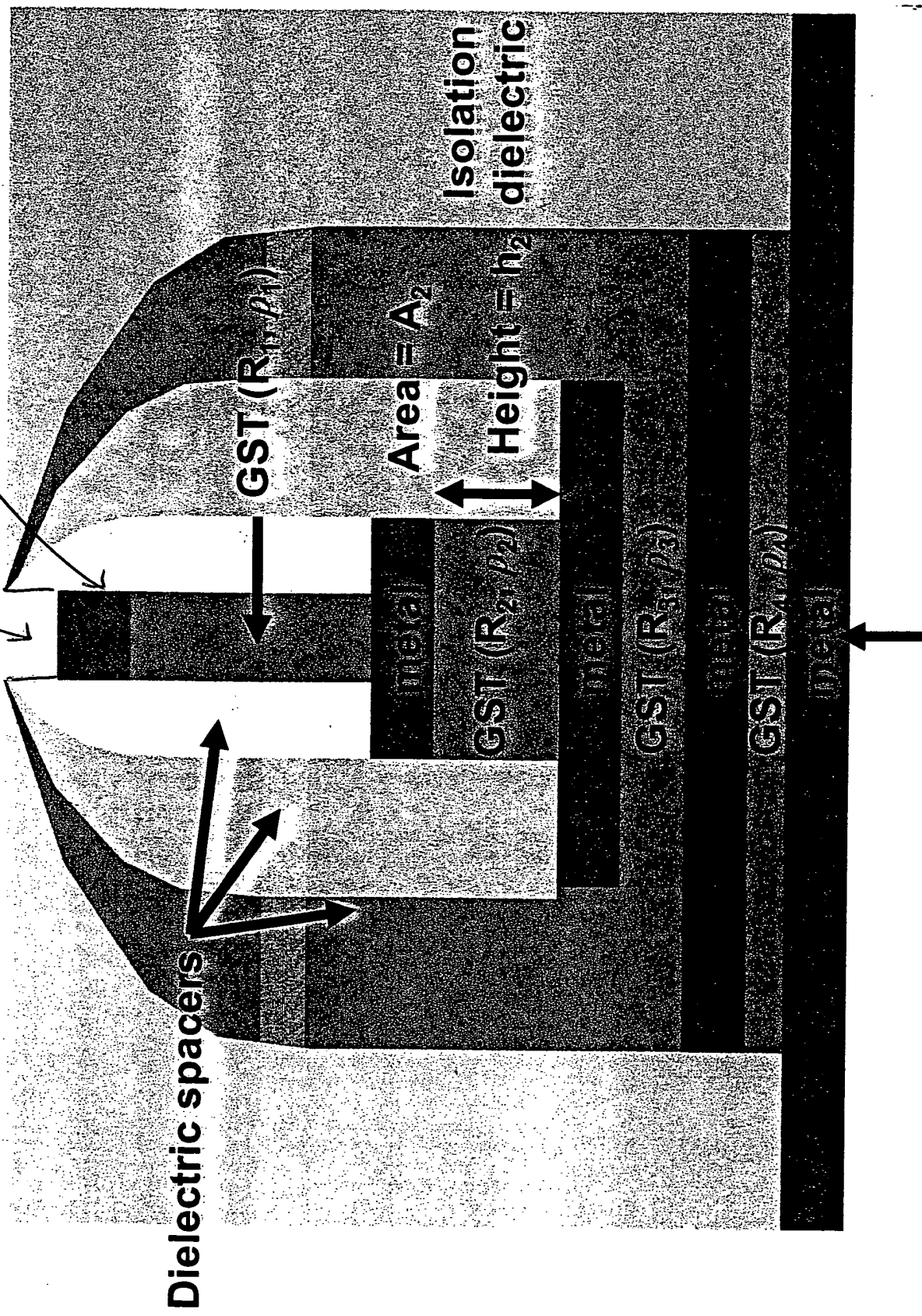
108 112  
ID 112  
YDR9200303408US1 (8728-643)



Bottom electrode contact

Fig. 12

11/1/12  
DR920030348US1 (8726-043)



Bottom electrode contact

Fig. 13

12 112  
 YDR9200303408US1 (8728-643)  
 Top electrode contact

50

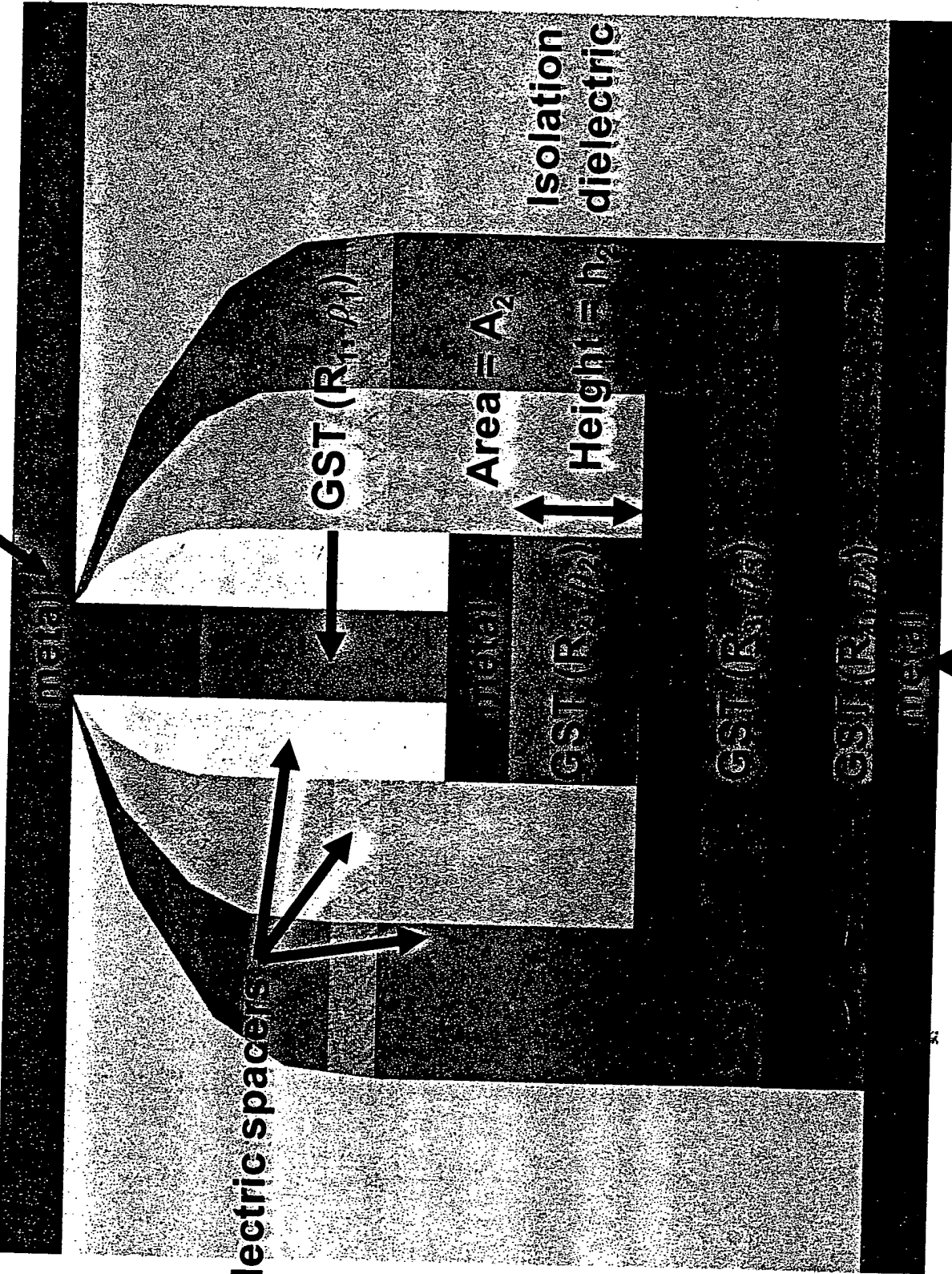


Fig. 14

Bottom electrode contact